Agenda

- **The New Normal** (educational perspective)
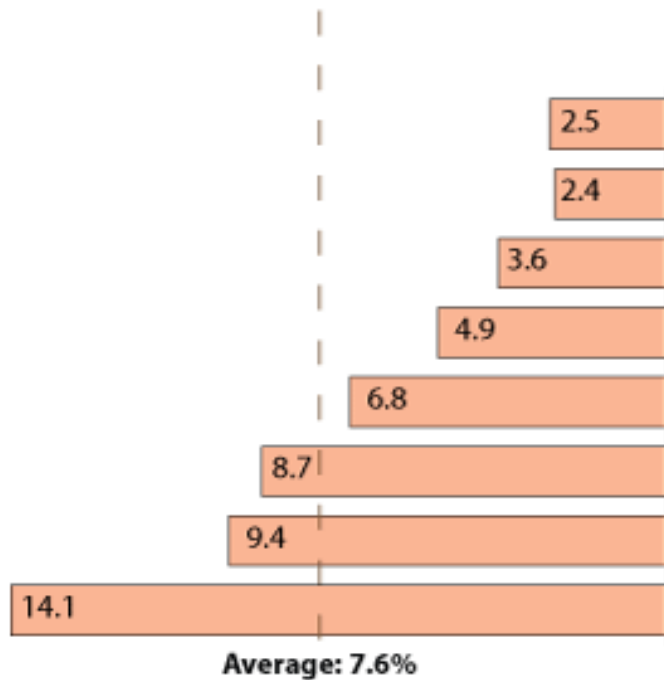
- Technology Trends

- Implications and Action Needed Now

- Questions, Comments, a Conversation
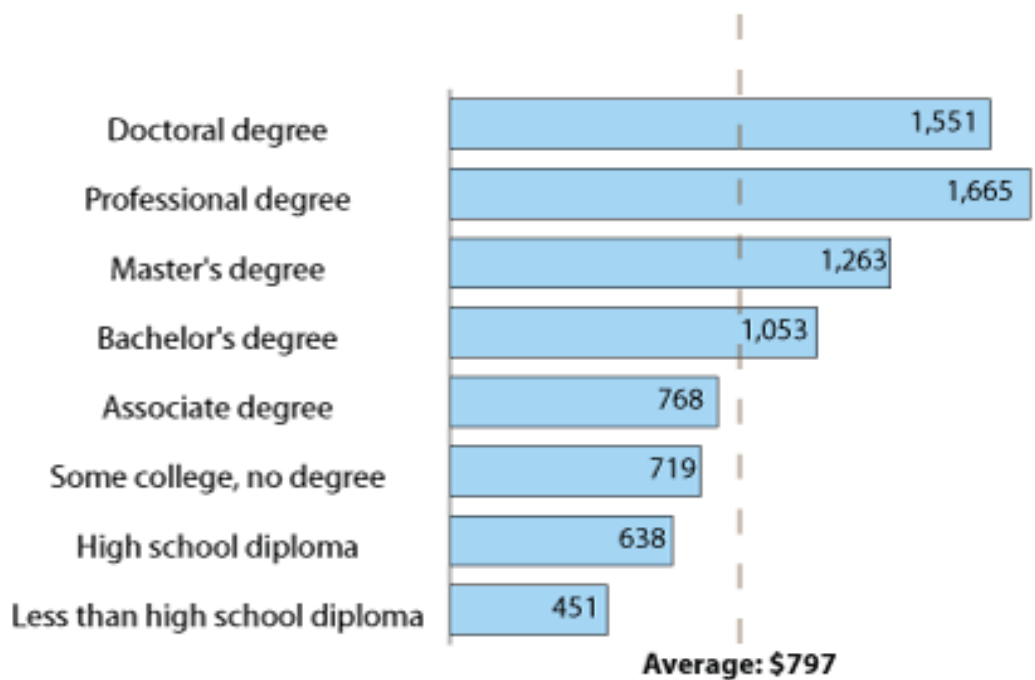
Education, Employment, & Earnings

Education Pays

Unemployment rate in 2011 (in %)

Degree	Rate
Doctoral degree	2.5
Professional degree	2.4
Master's degree	3.6
Bachelor's degree	4.9
Associate degree	6.8
Some college, no degree	8.7
High school diploma	9.4
Less than high school diploma	14.1

Average: 7.6%

Median weekly earnings in 2011 (in $)

Degree	Earnings
Doctoral degree	1,551
Professional degree	1,665
Master's degree	1,263
Bachelor's degree	1,053
Associate degree	768
Some college, no degree	719
High school diploma	638
Less than high school diploma	451

Average: $797

Source: Bureau of Labor Statistics, Current Population Survey

The Impact of Education on Individuals: Lifetime Earnings

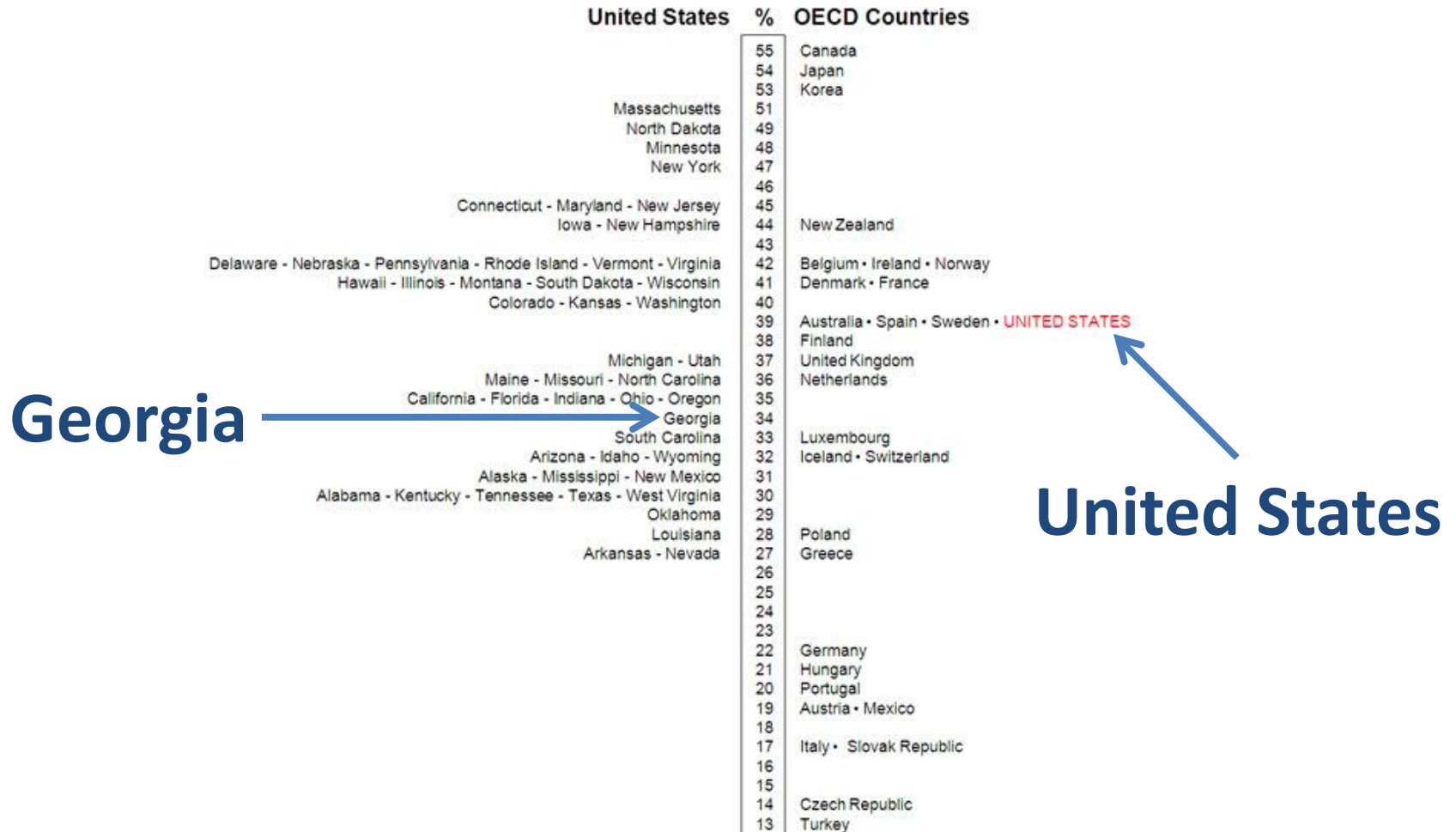| Education Level	Estimated Lifetime Earnings	Difference Compared to High School Graduate
Less than 9th grade	$976,350	-$478,903
High school dropout	1,150,698	-304,555
High school graduate	1,455,253	0
Some college, no degree	1,725,822	270,569
Associate degree	1,801,373	346,120
Bachelor's degree	$2,567,174	$1,111,921
Master's degree	2,963,076	1,507,823
Doctorate	3,982,577	2,527,324
Professional degree	5,254,193	3,798,940

The Organization for Economic Co-operation and Development
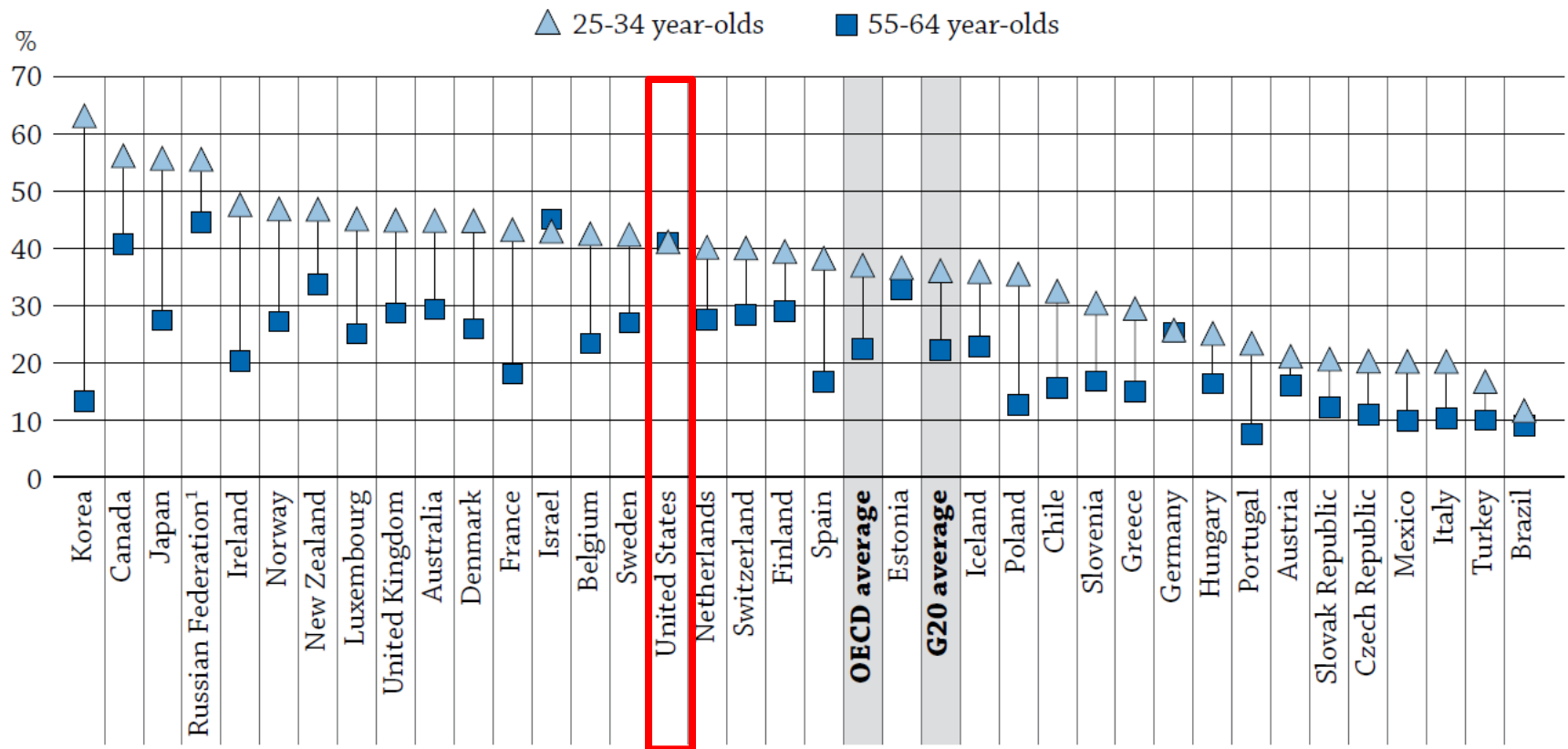
If you are not moving forward, you are falling behind.
We are falling behind.

Percent of Adults Age 25 to 34 Holding an Associate's Degree or Higher

Source: OECD Education at a Glance (2008); U.S. Census Bureau; American College Survey

United States	%	OECD Countries
	55	Canada
	54	Japan
	53	Korea
Massachusetts	51	
North Dakota	49	
Minnesota	48	
New York	47	
	46	
Connecticut - Maryland - New Jersey	45	
Iowa - New Hampshire	44	New Zealand
	43	
Delaware - Nebraska - Pennsylvania - Rhode Island - Vermont - Virginia	42	Belgium · Ireland · Norway
Hawaii - Illinois - Montana - South Dakota - Wisconsin	41	Denmark · France
Colorado - Kansas - Washington	40	
	39	Australia · Spain · Sweden · UNITED STATES
	38	Finland
Michigan - Utah	37	United Kingdom
Maine - Missouri - North Carolina	36	Netherlands
California - Florida - Indiana - Ohio - Oregon	35	
Georgia	34	
South Carolina	33	Luxembourg
Arizona - Idaho - Wyoming	32	Iceland · Switzerland
Alaska - Mississippi - New Mexico	31	
Alabama - Kentucky - Tennessee - Texas - West Virginia	30	
Oklahoma	29	
Louisiana	28	Poland
Arkansas - Nevada	27	Greece
	26	
	25	
	24	
	23	
	22	Germany
	21	Hungary
	20	Portugal
	19	Austria · Mexico
	18	
	17	Italy · Slovak Republic
	16	
	15	
	14	Czech Republic
	13	Turkey

Georgia

United States

New Normal

New Normal Rules

- State resourcing will remain flat or decrease

- Tuition will remain flat or increase slightly

- Fees will remain flat or decrease

- Formula funding will change:
  - Change unknown but likely to reward graduation as opposed to enrollment
  - Technology may be a component

New Normal Rules
(Implications)

- Technology must focus on capacity planning as opposed to portfolio management

- Strict and transparent prioritization

- We can no longer afford to solve the same problem 35 different ways.

Proposed ITS Priority Scheme FY2013

Chancellor

Consolidation   Complete College Georgia   Space Utilization

Data Driven Decision Making   Distance Education

Line Gap is intentional

1

Core PeachNet Service	Core Vista Service	State Longitudinal Hosting	HR	IT Contract Mgmt
Core GALILEO Service	Core GIL Service	State Incident Response	Race to the Top	Core Help Desk
Banner Base Image/Modules	Deploy Desire2Learn	Core PeopleSoft Service	Core Email Services	Salary Inequity
Hope Redesign (Basic)	Banner Hosted Services	GOML Service		
DegreeWorks Deployment	DegreeWorks Hosting	SharePoint Services	Full Cost Implementation	IT Handbook

2

Replace PeachNet Infrastructure	Upgrade Exchange	iStrategy Service	Facilities Data Collection	GTRACS Acad Cloud
Contracted Banner Migration	SSC Support	SciQuest Service	Energy Mgmt Data Server	EAS Data Migration
New DegreeWorks Hosting	HR Portal	PeopleSoft Upgrade	System Space/Facility Mgmt	Historical HR/ADP Data
End Point Management	GIL Express Service	Teammate Service	Facilities and Capital BI	GALILEO Discovery
Cell Phone Stipend	BYOD	Georgia Summit	Georgia Knowledge Repository	
Rock Eagle	DOE PeachNet Expansion	Backup as a Service	PeopleSoft 1099 Tax Patch	
Storage as a Service	VDCs/Service	Network Security Suite	Common Remitter Service	

3

|				
Dual Homing Institutions	New Banner Hosting	Alternative Data Center	Old Data System	Single Sign On
Upgrade D2L to version 10	Add new functionality to D2L	Ingress 2 (Distance Education)	Banner 9	Audit Dashboard
HOPE Redesign (SOA)	Windows 8 Upgrade	GALILEO Database of Subscriptions	Base Camp	XAP
Federated Identity Mgmt	BLIPP	Next Generation Library System	Multi-Platform Banner	eBuilder
PPV/GHEFA/Lease Mgmt	Integrated Facility Mgmt	Talent Mgmt System	Project and Portfolio Mgmt	VTC as a Service
Centralized Job Listing	Enterprise Risk Mgmt	Student Affairs Business Analyst	Unified Communications	Social Media
Data/Computer Forensic Capability	USG Mobile			

Legend		
Executing	**Resource Constrained**	**Awaiting Resources/Priority**

Note: Resources are time, space, money, people, or priority.

Technology Trends in the "New Normal"
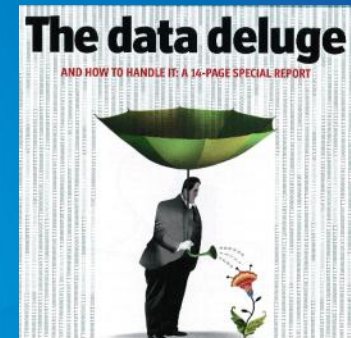
Why a critical IT shortage is inevitable for states

The New IT Worker Shortage

Survey finds tight budgets, furloughs and aging employees are compounding the problem of an already understaffed workforce

America's Tech Talent Crunch

Recruiters Facing IT Shortage

For many businesses, good technology workers are getting harder to find, a survey finds.

There's No Shortage of Work. There's a Shortage of Workers.

Shortage in Australian IT skills threat to projects
BY PAUL SMITH

> China's labor shortage is not a lack of labor in the general sense. In fact, it is a structural problem — and refers to a labor shortage in some professions, industries and regions."
>
> ZHOU TIANYONG, PROFESSOR AT THE PARTY SCHOOL OF THE CPC CENTRAL COMMITTEE
>
> It is still hard to recruit skilled, experienced workers and to keep them, we have to offer higher wages and better fringe benefits."
>
> FANG QI, GENERAL MANAGER OF NINGBO SHENTONG ELECTRICAL CO

India's Outsourcing Boom Runs Into Trouble

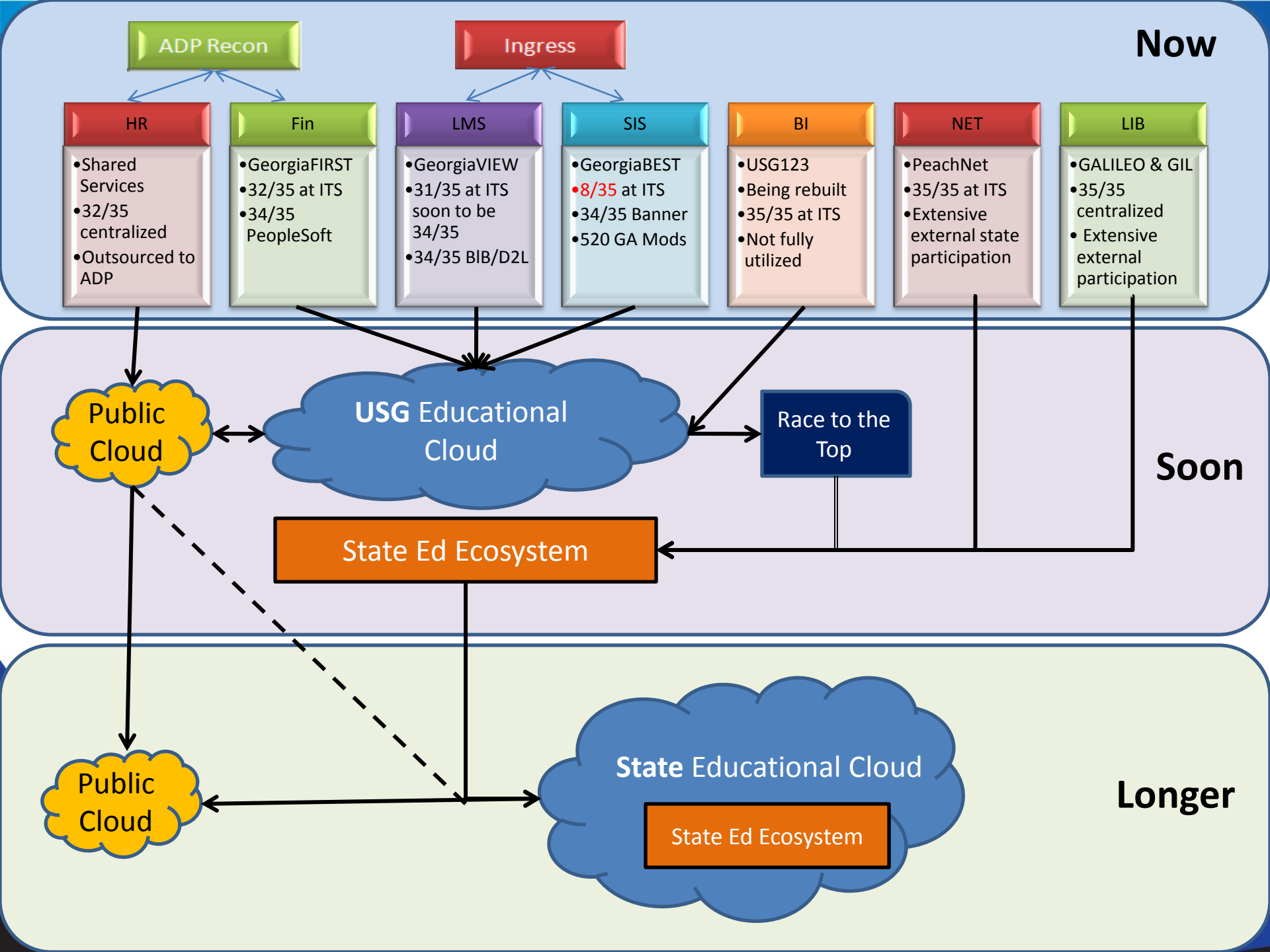There is also a tremendous shortage of new Ferarris available for $15,000.

Personnel Shortages: What to Do?

- Escalate aggressively and take more risk
- Outsource commodities; protect core
- Encourage Work-Life Balance
  - Telework
  - Flex Hours
- Create appropriate culture and climate
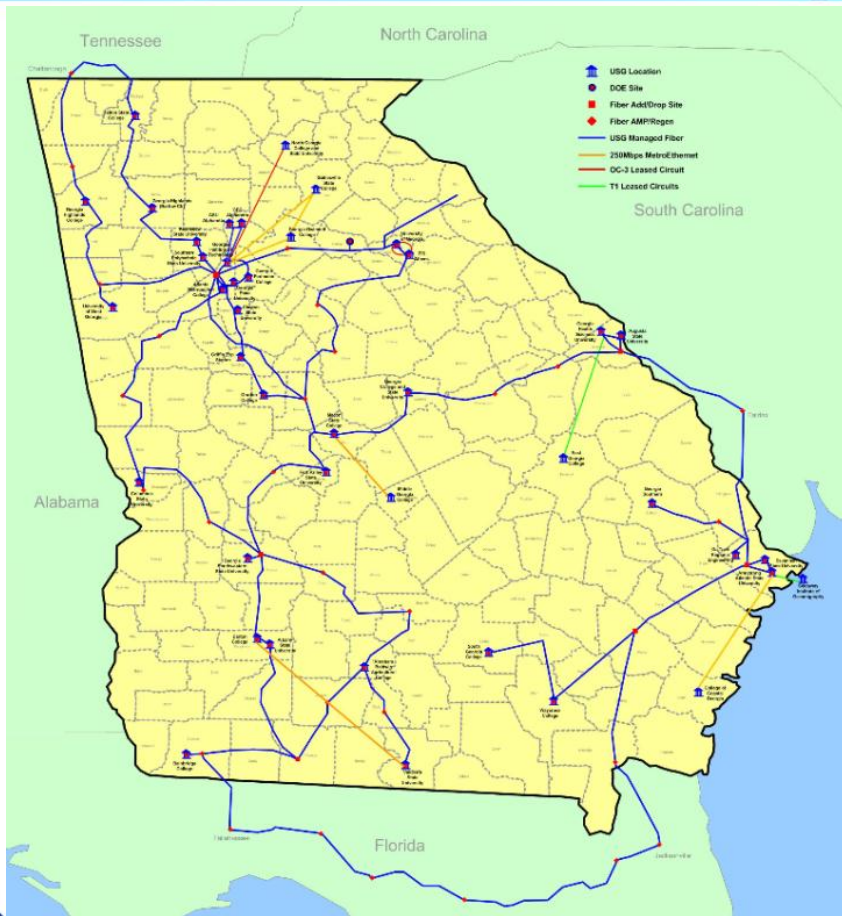
Advantages of Statewide Network

- Economies of Scale

- Proactive Growth

- Campus Agility

- Traffic Prioritization

GALILEO.
An Initiative of the University System of Georgia

Georgia's Virtual Library...bringing quality content to you!

Welcome to GALILEO

Through GALILEO, Georgia citizens have access to authoritative, subscription-only information that isn't available through free search engines or Web directories. Here's a sampling of what's inside:

Digital Library of Georgia: Digital collections related to the history and culture of Georgia, including photographs, maps, and primary source documents.

eBooks on EBSCOhost: 1000's of electronic books on many topics including history, hobbies, and scholarly research.

EBSCOhost: Magazine and journal articles on all subjects.

Encyclopædia Britannica: Online version of the Encyclopædia Britannica including authoritative information on people, places, events with articles, videos, and more.

Georgia Government Publications: Access to thousands of Georgia government documents in digital format.

New Georgia Encyclopedia: Authoritative information on people, places, and events related to Georgia.

ProQuest: Magazine and journal articles on all subjects.

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Forgot your password?

In the Spotlight

What did you Discover today?

Enter the Discover GALILEO contest for a chance to win cool prizes.

GALILEO

Georgia Knowledge Repository

Georgia InterLibrary system

Cloud: What to Do?

- Outsource commodities; protect core

- Do not encourage SLA wars

- Recognize the need for increased agility

- Data….

- Big Data…..

- Location-based Big Data…..

- Big Data Driven Decision Making…..

"On the Internet, the First Amendment is a local ordinance," said Fred H. Cate, a law professor at Indiana University.

What are folks saying about your organization on Facebook?
What are you doing about what they are saying?
Do you even know?

Need decisions now
Requires a report
Report requires a collection
Collection requires months

Data: What to Do?

- Think decision-making and data governance; don't think technology.

- Isn't not a project – it is a process.

- The social aspect is going to grow. What are you going to do to leverage it?

Consumerization of IT

- Bring Your Own Device will change campus culture, security, and instructional delivery

- Managed/Unmanaged Applications

- Private/Work Split

- Who Owns the data?

(Photo: Motorola)
Motorola Droid RAZR MAXX

Consumerization: What to Do?

- Changes everything.

- Lose Control or Ride the Way?

- Protect the data

- State government has unique challenges in this space.

Questions, Comments, a Conversation

Dr. Curtis A. Carver Jr.
Vice Chancellor and CIO
Board of Regents